

NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER



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basic imagery interpretation report

Moskva Aircraft Experimental Plant 155 (S)

STRATEGIC WEAPONS INDUSTRIAL FACILITIES

USSR

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RCA-09/0034/79
JANUARY 1980
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INSTALLATION OR ACTIVITY NAME					COUNTRY	
Moskva Aircraft Experimental Plant 155					UR	
UTM COORDINATES	GEOGRAPHIC COORDINATES	CATEGORY	BE NO	COMINT NO	NIETB NO	
NA	55-48-45N 037-30-30E					
MAP REFERENCE						
DMA, USATC, Series 200, Sheet 0167-5, scale 1:200,000						
LATEST IMAGERY USED			NEGATION DATE If required			
			NA			

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ABSTRACT

1. (S/WNINTEL) This report updates NPIC report [] dated February 1972, and supersedes a section of NPIC report [] dated September 1977. This report covers the period from [] the information cutoff date of the updated report, through [] and satisfies the basic reporting requirement for Moskva Aircraft Experimental Plant 155 in the USSR.

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2. (S/WNINTEL) A significant amount of construction occurred at the plant during this reporting period, increasing the floorspace by 21,370 square meters. An additional 363 square meters of floorspace was under construction at the end of this reporting period. Of particular significance has been the increase in the engineering/laboratory floorspace. This report includes an update of construction activity at the plant, a location map, two annotated photographs, and one table of mensural and descriptive data.

INTRODUCTION

3. (S/WNINTEL) Moskva Aircraft Experimental Plant 155 is approximately 5 nautical miles (nm) from the center of Moscow and 1.75 nm northwest of Moscow Central Airfield [] Figure 1). The plant occupies approximately 17 acres of land and is bordered on the west by Leningradskoye Shosse (Avenue) and on the north by a rail right-of-way. To the east and south are a railcar repair complex and a trolley support facility, respectively. The limit of external lateral expansion has been reached at the plant. As a result, most of the new construction observed at the plant during the past eight years has required the removal of older buildings.

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BASIC DESCRIPTION

Construction Activity

4. (TSR) A significant amount of construction activity has been observed at Moskva Aircraft Experimental Plant 155 since June 1971.¹ During this time, four new buildings were built, four previously existing buildings were modified, and five buildings were razed. An additional building was under construction on []. Also, one building and three building sections which were present in 1972 but not reported in the 1972 report¹ have been included in this report.

5. (TSR) New construction less building razings within the plant resulted in a net increase of 21,370 square meters of floorspace. An additional 363 square meters of floorspace under construction. Imagery of improved interpretability has revealed that there were certain mensural and interpretational inaccuracies in the 1972 report. Taking into account these corrected figures along with the previously stated net floorspace increase, the revised floorspace for the facility is approximately 74,166 square meters.

6. (TSR) The most extensive and significant construction activity at Plant 155 occurred in the northwest corner of the installation. The activity involved the razing of four buildings and the construction of a modern engineering/laboratory

building (item 20, Figure 2 and Table 1). On imagery of April 1972, early preparations were underway for the construction of the foundation of the three-story laboratory section (item 20a). By March 1973, the actual foundation for this laboratory section was under construction. A receiving building and a support building had been removed to accommodate this new construction. The laboratory section was externally complete by January 1974. In August 1973, another support building had been razed and construction had begun on both the foundation for an underground bunker (item 20e), and the foundation for the 16-story engineering section (item 20c). By June 1974, the underground bunker had been completed and was being earth covered. In August, a two-story administration section (item 20d) was under construction. By September 1976, both the engineering section and the administration section appeared to be externally complete, and in July 1977, all sections of this engineering/laboratory building appeared to be operational. The floorspace of the new engineering/ laboratory building is [] square meters.

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7. (TSR) Since June 1971, an administration building (item 3) has been expanded by two construction projects. A single-story section (item 3c) adjoining the east side of section 3b had been

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completed by June 1974. An extension to the north end of section 3b had been completed by July 1972. Imagery of October 1977 clearly shows that the two major sections of the building (items 3a and 3b) are three stories rather than one story as previously reported.¹ The new construction and the identification of the additional floors in sections 3a and 3b resulted in a significant increase in the estimated floorspace for this building. In addition, the dimensions given in the 1972 report¹ suggest that building 3 is rectangular. The building, however, is L-shaped, and the current estimated floorspace is 1,892.4 square meters.

8. (TSR) Sometime after June 1971, construction began on the single-level support building (item 22). The northern half had been completed by July 1972, the southern half by June 1974.

9. (TSR) Beginning in August 1974, construction was underway on a new quonset-type support building (item 19). The construction occurred in two phases. By February 1975, the structure appeared to be complete with 450 square meters of floorspace. By July 1977, however, the building had been expanded eastward (item 19, Figure 3 and Table 1) with an additional square meters of floorspace. A small shop building was razed to accommodate the construction of this building.

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10. (TSR) In April 1978, a second-story, probable administration section (item 5a) had been added to the north side of the large shop building.

11. (TSR) By February 1976, a support building (item 18) had been expanded to the west.

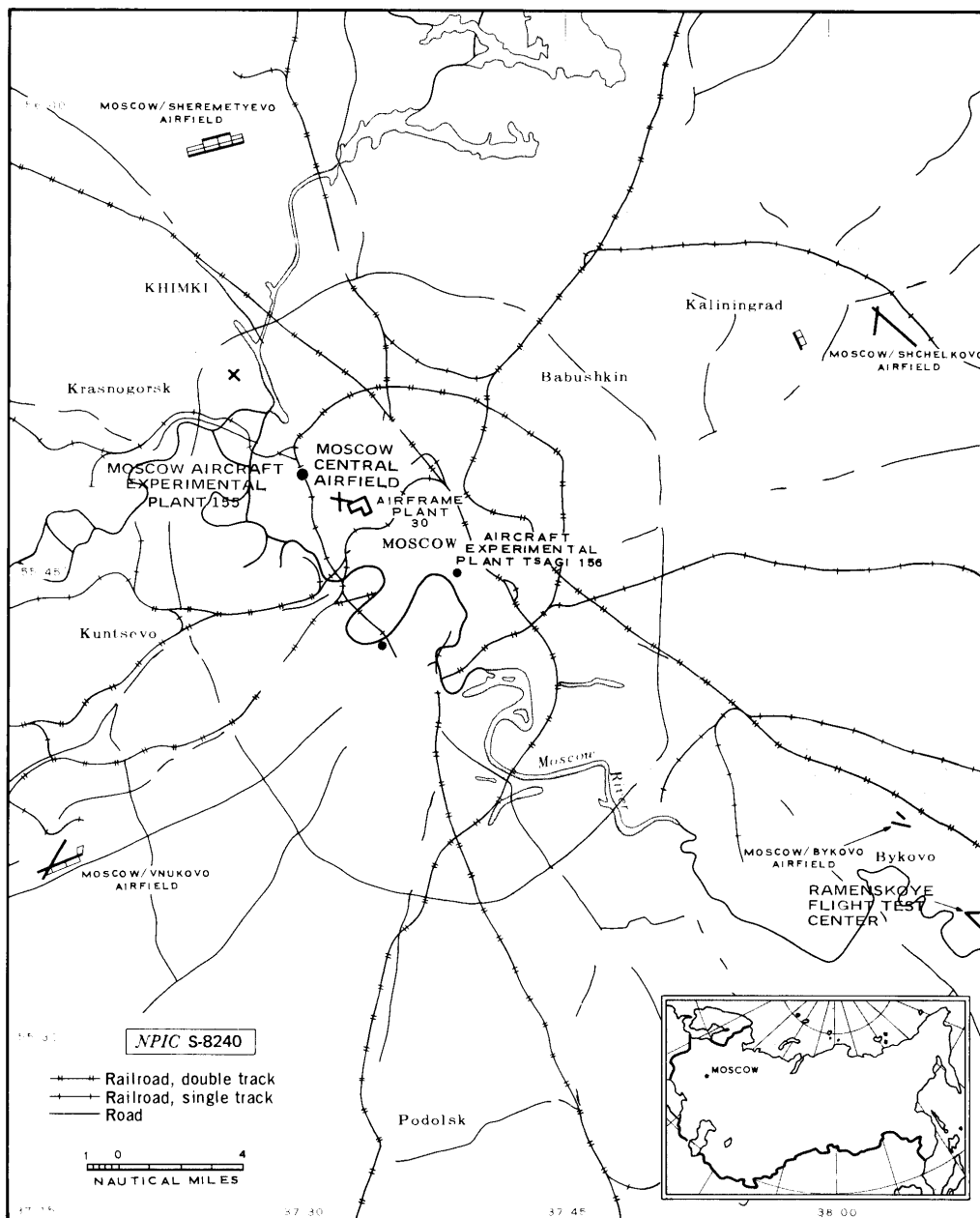


FIGURE 1. LOCATION OF MOSKVA AIRCRAFT EXPERIMENTAL PLANT 155, USSR

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Table 1.
Construction at Moskva Aircraft
Experimental Plant 155,

Keyed to Figures 2 and 3)
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Item	Description	Dimensions (m)			Total Floorspace (sq m)	Date Considered Complete	Remarks
		L	W	H			
3a	Admin sec						
3b	Admin sec						Southern 82 percent at 3b complete by Jun 64; the 72 report ¹ showed 3a & 3b as single story; imagery of a later date showed them as 3 stories
3c	Support sec						Partially subsurface
5a	Prob admin sec						Slightly irregular
6d	Support sec*						
8c	Support sec*						
10c	Support sec						50 percent of this section was seen on imagery used for original report ¹ but not mentioned in that report
18	Support bldg						Slightly irregular
19	Support bldg						Quonset type
20	Engineering/lab bldg						Total floorspace meters ¹
a	Lab sec						3 stories-irregular shape accounts for different length measurements
b	Passage sec						2 stories
c	Engineering sec						16 stories
d	Admin sec						2 stories
e	Underground bunker						
21	Support bldg*						
22	Support bldg						
23	Unid bldg						Ucon Apr 79; floorspace estimate based on single-story configuration

¹Construction occurred prior to June 1971 but not mentioned in the original report.¹

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12. (TSR) The most recent construction activity noted within the facility was underway just south of the new engineering/laboratory building and was still underway as of [] the cutoff date for this report. In April 1978, a support building, just west of the shop building (item 10, Figure 2), was being dismantled and had been removed by May. In June, an excavation for a foundation was observed on the site of the razed building. By August, footings were observed under construction. By March 1979, a building (item 23, Figure 3) with an estimated roof cover of 363 square meters was being erected on the site.

13. (S/WNINTEL) A review of imagery used in the preparation of the 1972 report¹ revealed that

one building and three single-story building sections were present but not included in that report. In June 1971, the single-story support building (item 21, Figure 2) was identified. The same imagery revealed a single-story building section adjoining the south side of a shop building (item 8c. Imagery of April 1970 revealed a small single-story section (item 10c) adjoining the north side of another shop building. This section was approximately doubled in size by July 1976. On imagery of August 1972, a third single-story section was identified. This section was observed between two multistory sections of the engineering/administration building. Reanalysis of previous imagery revealed that the section (item 6d) had been completed along with the main building by June 1963.

REFERENCES

IMAGERY

(TSR) All applicable KEYHOLE imagery of suitable interpretability acquired from [] 25X1
[] was used in the preparation of this report. 25X1

MAPS OR CHARTS

DMAC, US Air Target Chart, Series 200, Sheet 0167-5, scale 1:200,000 (UNCLASSIFIED)

DOCUMENTS

1. NPIC, [] RCA-09/0033/72, *Moscow Aircraft Experimental Plant 155*, Feb 72 (TOP SECRET) [] 25X1
2. NPIC, [] RCA-09/0012/77, *Airframe Design Bureau Activity*, Sep 77 (TOP SECRET) [] 25X1

*Extracted material is TOP SECRET R.

REQUIREMENT

COMIREX J02
Project 290065DJ

(S) Comments and queries regarding this report are welcome. They may be directed to [] Warsaw 25X1
Forces Division, Imagery Exploitation Group, NPIC, [] 25X1

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